

AO *Twin-View* STEREOSCOPIC MICROSCOPE

• For Training • Inspection • Methods Demonstrations • Time Study

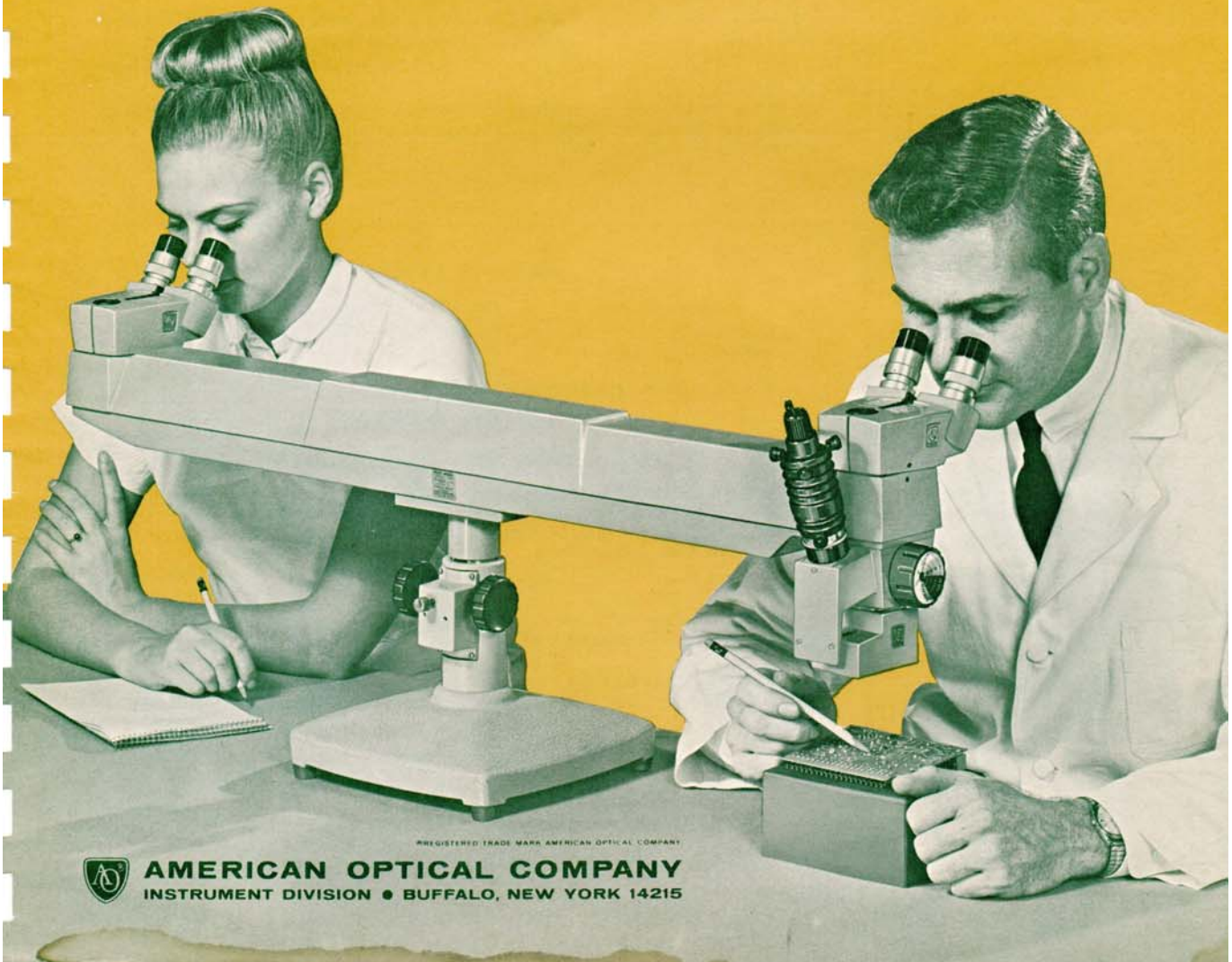
AO's new Twin-View Stereoscopic Microscope provides a means of simultaneous observation necessary in many phases of micro component manufacture. As a training instrument for instructing new personnel in the intricacies of varied sub-miniature production operations, the microscope enables two people, seated comfortably side by side, to view the same magnified object at the same time. It provides three-dimensional, erect images which are identical in overall performance.

Training time is reduced, since the trainee has the benefit of seeing detailed manipulations per-

formed, and then he in turn can perform the same operations under supervision. Errors in procedures are quickly determined.

The Twin-View Stereo Microscope is invaluable in those situations where agreement must be reached between inspectors in border-line deviations from specifications.

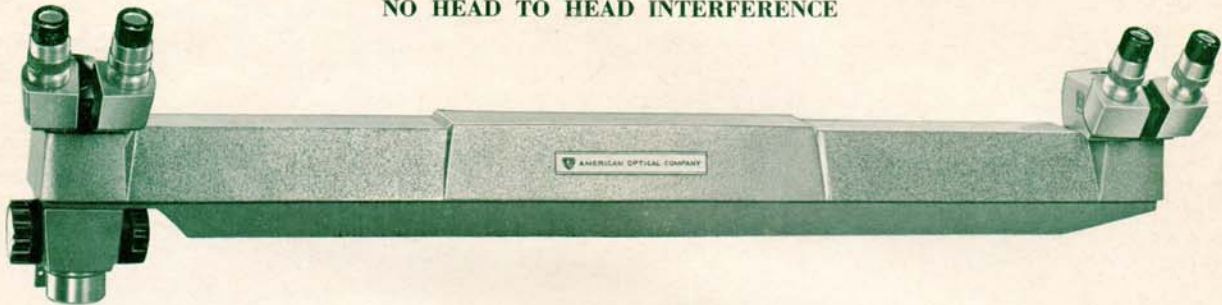
Substantial cost savings are realized by elimination of "head to head" operator interference in methods and time study evaluation. Correction of motion patterns result in more efficient production control.



REGISTERED TRADE MARK AMERICAN OPTICAL COMPANY
AMERICAN OPTICAL COMPANY
INSTRUMENT DIVISION • BUFFALO, NEW YORK 14215

**Comfortable 35" separation
between stations**

NO HEAD TO HEAD INTERFERENCE



The essential part of the instrument is its optical relay system which incorporates beam splitters, prisms and optical relay lenses to convey the same image simultaneously to the instructor and trainee. The housing is 37½" long x 3" wide x 3½" high. It places each observer at a comfortable distance apart and provides ample room for the accommodation of extremely large jigs, fixtures, etc. The working distance is a constant 4" for most magnifications.

Binocular bodies are mounted at each end of the housing, having either 10X or 15X Wide Field eyepieces, as selected. The eyepiece tubes of the "sec-

ondary station" (the observer's microscope) have adjustable collars to allow for eye refraction differences. The primary microscope is equipped with a Magni-Changer for easy "dial-in" selection of different magnifications. A 2X auxiliary lens allows selection of higher magnifications.

Three mounting pads distributed equally on the underside of the relay housing allow a choice of positions for the focusing pillar and base assembly, or other appropriate fixtures. This gives a wide latitude in overcoming obstructions in the assembly line or in other work areas.



Optional Stand

The focusing pillar and base assembly assure stability and ease in focusing. Range of focus is 3½".



653 Illuminator

SPECIFICATIONS

Eyepiece:	10X	15X
Magnification:	7X, 10X, 15X, 20X, 25X	10X, 15X, 20X, 30X, 40X
Working Distance 4"		

With 2X Auxiliary Lens Attachment (working distance 1½")
15X, 20X, 25X, 40X, 50X 20X, 25X, 40X, 60X, 80X

Catalog Number, Description, and Price

<p>K1632-1 Twin-View Stereoscopic Microscope, includes optical relay housing having two binocular bodies with 10X Wide Field eyepieces.</p> <p style="text-align: right;">\$1975.00</p> <p>K1632-2 Same as above, but with 15X Wide Field eyepieces</p> <p style="text-align: right;">1975.00</p> <p>K1632-3 Same as above, but with both 10X & 15X Wide Field eyepieces</p> <p style="text-align: right;">2055.00</p>	<p>1632-4 Stand, consisting of base, focusing pillar with locking device</p> <p style="text-align: right;">125.00</p> <p>265 2X Auxiliary Lens Attachment</p> <p style="text-align: right;">31.00</p> <p>653 Universal Microscope Illuminator, with three-link jackknife standard, 6.5 volt, 2.75 ampere clear lampbulb, clear blue glass, ground glass filters and No. 651 transformer</p> <p style="text-align: right;">78.00</p>
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(Other illuminators available. Information on request.)